

## ABSTRACT

Methods, systems, and configured storage media are provided for flexible data mirroring.

In particular, the invention provides local-remote role reversal, implementation of hot standby server status through a "media not ready" signal, several alternate buffer contents and buffering schemes, transactioning, many-to-one mirroring through use of "virtual" remote mirroring units, identification of frequently accessed data without application-specific knowledge but based instead on an application's logged and analyzed behavior, and use of the secondary server in a non-authoritative manner.

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